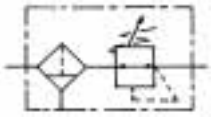
# Features

## 1/8" and 1/4" Port Sizes

ARO® Module/Air 1000 Series "Piggyback" units are compact to save space, giving more design flexibility. These units have one common inlet/outlet for both the filter and regulator. This saves on space, set-up time and piping costs.

- Glass reinforced, composite bodies with threaded brass inserts are light weight, corrosion resistant and have no paint to chip. Combination units can be pipe nippled or clamped together in a modular configuration.
- Non-rising, self locking adjustment knob cannot be vibrated loose.
- Increase/decrease arrows on the knob allows easy adjustment.
- Regulator offers in-line repairability. Diaphragm can be replaced without removing unit from line.
- Bayonet bowl attachment with line-up arrow heads provides easy filter element removal. Arrow heads assure user of locked position.
- Standard and automatic drains available.
- Bowl has external 1/8" NPT thread, for piping away moisture.
- Polycarbonate bowl with guard or composite corrosion resistant bowl available.
- Air inlet arrow is molded into housing for easy air line hookup.





Relieving with manual drain

# Performance Specifications

## Materials of Construction

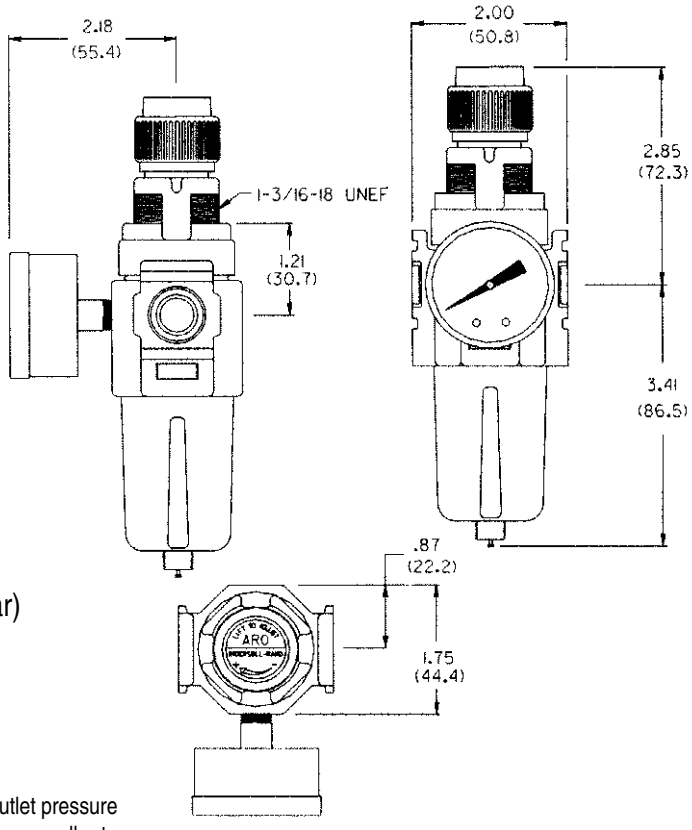
| | |
|---|---|
| **Body:** | Glass Reinforced Bodies |
| **Bowl:** | Polycarbonate w/Bowl Guard Standard |
| **Bowl Guard:** | Composite w/Sight Windows |
| **Composite Bowl:** | Nylon |
| **Seals:** | Buna-N |
| **Drain:** | Push Type |
| **Filter Element:** | Porous Polypropylene |
| **Diaphragm:** | Buna-N |
| **Spring Housing:** | Glass Filled Nylon |
| **Valve Spring :** | Stainless Steel |

## Operating Conditions

| | |
|---|---|
| **Temperature Range:** | 0° to 125° F (-18° to 52° C) |
| **Max. Inlet Pressure:** | Poly Bowl – 150 PSIG (10.4 bar) Composite Bowl – 150 PSIG (10.4 bar) |
| **Flow:** | Air flow is at 90 PSIG (6.2 bar) inlet and 5 PSIG (0.4 bar) pressure drop 1/8" = 13 scfm (6 $dm^3/s$) 1/4" = 13 scfm (6 $dm^3/s$) |

# Dimensional Data

Dimensions in Inches (mm)




**CAUTION:** Outlet pressure adjustment ranges are not minimum or maximum outlet pressure limits. Regulators can be adjusted to zero PSIG secondary pressure and, generally, to pressures in excess of those specified. The use of these regulators to control pressures outside of the specified ranges is not recommended.

# Ordering

From the chart below select the model number associated with port size, pressure range and drain option required. If other options are needed, use menu below the chart to select the proper model number. For BSP threads, consult factory.

Note: Not all menu combinations are valid. See price book to verify.

| Port Size NPT | Flow scfm | Weight lbs. (kg.) | Filter Element (Micron) | Pressure Range PSIG (bar) | Composite Bowl | | Poly Bowl w/Bowl Guard | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Push Drain | Automatic Drain | Push Drain | Automatic Drain |
| 1/8" | 13 | 2.05 (.93) | 20 | 5-125 (.4-8.6) | P29112-120 | P29112-124 | P29112-100 | P29112-104 |
| 1/4" | 13 | 2.03 (.92) | 20 | 5-125 (.4-8.6) | P29122-120 | P29122-124 | P29122-100 | P29122-104 |

## Basic Model No. — Port Size NPT

P 2 9 1 1 X - X X X 1/8" with Brass Inserts
P 2 9 1 2 X - X X X 1/4" with Brass Inserts
P 2 9 1 3 X - X X X 1/8" Molded Thread (No Insert)
P 2 9 1 4 X - X X X 1/4" Molded Thread (No Insert)

## Control/Drain Option

0 - Standard Knob/Manual Drain
3 - Tamper Resistant Knob/ Manual Drain
4 - Standard Knob/Auto Drain

## Filter Element

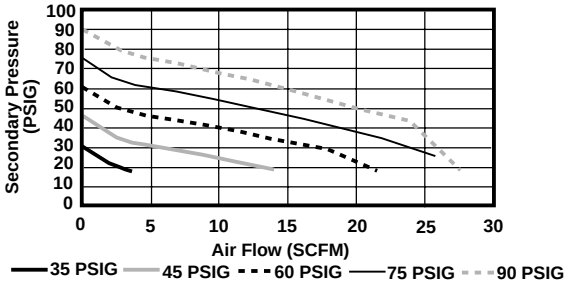
2 - 20 Micron
4 - 5 Micron

## Relieving Bowl Option

0 - Relieving / Poly w/Guard
2 - Relieving / Composite
3 - Non-Relieving / Poly w Guard

## Pressure Range PSIG (bar)

1 - 5-125 (.4-8.6) no gauge
2 - 0-50 (0-3.5) no gauge
4 - 0-15 (.0-1) no gauge
6 - 5-125 (.4-8.6) w/gauge
7 - 0-50 (0-3.5) w/gauge




# Accessories



**Kit Includes:** Two Clamps, Screws and O-Ring

104263 Clamp Kit



100095-160



**Kit Includes:** T-Bracket, Clamp, Screws, and O-Ring

104262 T-Type Wall Mount Bracket Kit

| Model No. | Description |
|---|---|
| 29668 | Mounting Bracket |
| 104094 | Panel Mount Nut |
| 104039 | Stud Mount |
| 104255 | Service Kit, Relieving |
| 104256 | Service Kit, Non-Relieving |
| 104109 | Tamper Resistant Kit |
| 29863 | 0-60 PSIG Gauge |
| 100095-160 | 0-150 PSIG Gauge |
| 29846 | 0-15 PSIG Gauge |
| 29850 | 0-160 PSIG Gauge |
| 104258 | Poly Bowl w/Guard |
| 104259 | Composite Bowl |
| 104265 | Nut & Bracket Kit (Includes 104094 Nut and 29668 Bracket) |
| 29660-1 | 5 Micron Element |
| 29660-2 | 20 Micron Element |
| 104264 | Pulse Drain Kit |

# Performance Specifications

## Filter-Regulator-Lubricator

| | |
|---|---|
| **Max. Inlet Pressure:** | 150 PSIG (10.4 bar) |
| **Operating Temperature:** | 0° to 125°F (-18° to 52°C) |
| **Filter Element:** | 20 Micron |
| **Pressure Range in Regulator:** | 5 to 125 PSIG (.4 to 8.6 bar) |
| **Gauge:** | 0 to 150 PSI |
| **Gauge Port:** | 1/8 NPT |



Lockout Valve 104253-2

C28121-800



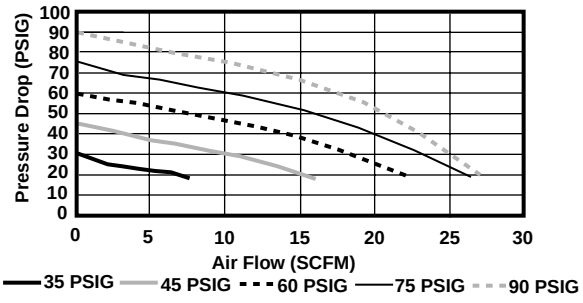
# Ordering

Select the basic model number which represents the port size and bowl option required. if other options are required, order each unit separately. Units are shipped assembled. For BSP threads, consult factory.

| Port Size NPT | Models With T-Mounts | Models Without T-mounts | Weight lbs. (kg.) | Components Filter | Regulator | Lubricator |
|---|---|---|---|---|---|---|
| **Push Drain • Polycarbonate Bowl with Bowl Guard** | | | | | | |
| 1/8" | C28111-800 | C28112-800 | 5.54 (1.88) | F25111-200 | R27111-600 | L26111-100 |
| 1/4" | C28121-800 | C28122-800 | 5.42 (2.46) | F25121-200 | R27121-600 | L26121-100 |
| **Automatic Drain • Polycarbonate Bowl with Bowl Guard** | | | | | | |
| 1/8" | C28111-801 | C28112-801 | 5.54 (1.88) | F25111-201 | R27111-600 | L26111-100 |
| 1/4" | C28121-801 | C28122-801 | 5.42 (2.46) | F25121-201 | R27121-600 | L26121-100 |

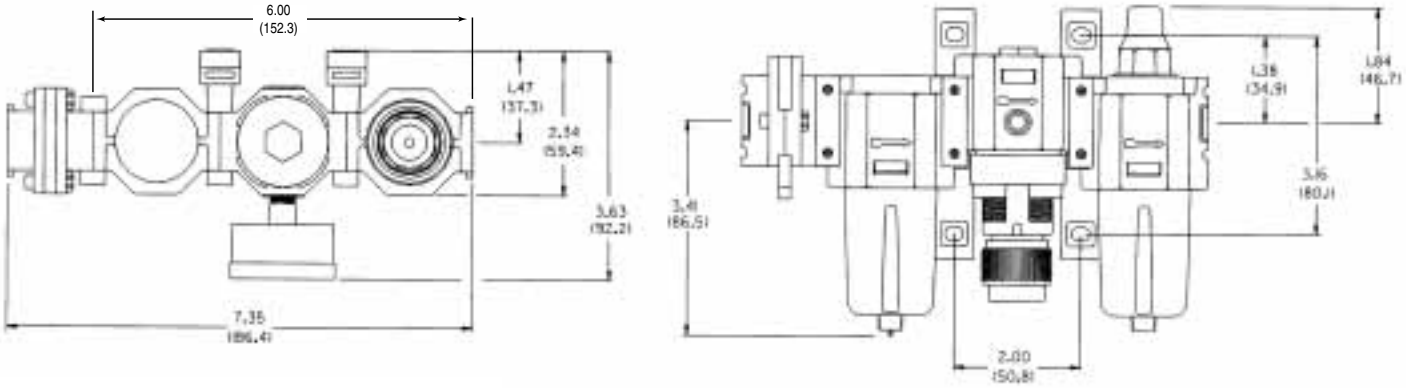
**Notes:** **Order lock-out valve separately and attach to filter inlet with clamp kit (104263).**

**To order modular model with pipe nipples, place a "3" in the sixth position of the model number. Example: C28XX3-XXX**




# Dimensional Data

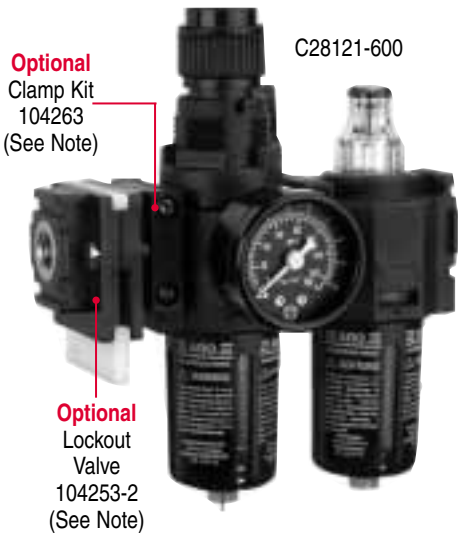
Dimensions Inches (mm)



# Performance Specifications

## Piggyback-Lubricator

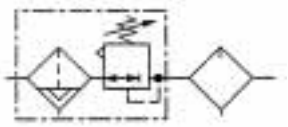
| | |
|---|---|
| **Max. Inlet Pressure:** | 150 PSIG (10.4 bar) |
| **Operating Temperature:** | 0° to 125°F (-18° to 52°C) |
| **Filter Element:** | 20 Micron |
| **Pressure Range in Regulator:** | 5 to 125 PSIG (.4 to 8.6 bar) |
| **Gauge:** | 0 to 150 PSI |
| **Gauge Port:** | 1/8 NPT |




# Ordering

Select the basic model number which represents the port size and bowl option required. if other options are required, order each unit separately. Units are shipped assembled. For BSP threads, consult factory.

| Port Size NPT | Models With T-Mounts | Models Without T-mounts | Weight lbs. (kg.) | Components Filter/Regulator | Components Lubricator |
|---|---|---|---|---|---|
| **Push Drain • Polycarbonate Bowl with Bowl Guard** | | | | | |
| 1/8" | C28111-600 | C28111-601 | 4.14 (1.88) | P29112-600 | L26111-100 |
| 1/4" | C28121-600 | C28121-601 | 4.06 (1.84) | P29122-600 | L26121-100 |
| **Automatic Drain • Polycarbonate Bowl with Bowl Guard** | | | | | |
| 1/8" | C28112-600 | C28112-601 | 4.14 (1.88) | P29112-604 | L26111-100 |
| 1/4" | C28122-600 | C28122-601 | 4.06 (1.84) | P29122-604 | L26121-100 |




**Notes:** **Order lock-out valve separately and attach to filter inlet with clamp kit (104263).**

**To order modular model with pipe nipples, place a "3" in the sixth position of the model number. Example: C28XX3-XXX**

# Dimensional Data

Dimensions in Inches (mm)

